

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A wrist device for use with a prosthetic limb, comprising:
 - a base plate having an opening, the base plate being configured for attachment to a prosthetic limb;
 - a sliding lock plate having an opening, being slidably engaged with the base plate;
 - and
 - a semi-cylindrical rotator with slots, wherein the semi-cylindrical rotator is configured for attachment to a prosthetic hand and coupled to the base plate in a manner that allows the sliding lock plate to lock into the slots, and wherein the semi-cylindrical rotator is positioned at least partially in the opening of the base plate and the opening of the sliding lock plate in order to minimize a height of the wrist device.

2. (Original) A wrist device for use with a prosthetic limb as in claim 1, further comprising:
 - a primary latch return spring coupled between the base plate and the sliding lock plate, wherein the primary latch return spring biases the sliding lock plate in a locked position; and
 - a cover plate having an opening configured to receive the semi-cylindrical rotator, the cover plate being coupled to the base plate in a manner that limits movement of the sliding lock plate.

3. (Original) A wrist device for use with a prosthetic limb as in claim 1, further comprising:
 - two supporting arms attached to the base plate; and
 - a pivot pin coupled to the supporting arms of the base plate and the rotator in order to allow rotation of the rotator.

4. (Canceled)

5. (Original) A wrist device for use with a prosthetic limb as in claim 1, further comprising an opening in a central portion of the semi-cylindrical rotator.

6. (Previously Amended) A wrist device for use with a prosthetic limb as claimed in claim 5, further comprising wires routed through the opening in the base plate, the opening in the sliding lock plate, an opening in a cover plate, and the opening in the central portion of the semi-cylindrical rotator.

7. (Previously Amended) A wrist device for use with a prosthetic limb as claimed in claim 6, wherein the wires are wrapped around a neutral axis in a manner that reduces the effects of repetitive flexing of the wires.

8. (Original) A wrist device for use with a prosthetic limb as claimed in claim 6, wherein the wires are multi-strand wires that can withstand repetitive flexing.

9. (Original) A wrist device for use with a prosthetic limb as claimed in claim 1, wherein the sliding lock plate extends a full width of the wrist device.

10. (Presently Amended) A prosthetic device comprising:

a base plate having an opening, and being configured for attachment to a prosthetic arm;

a sliding lock plate coupled to the base plate, the sliding lock plate having an opening; and

a semi-cylindrical rotator with slots, configured to have a rotation axis, perpendicular to an arm axis and configured for attachment to a prosthetic hand, wherein the semi-cylindrical rotator is coupled to the base plate in a manner that allows the sliding lock plate to lock into the slots of the semi-cylindrical rotator, and wherein the semi-

cylindrical rotator is positioned at least partially in the opening of the base plate and the opening of the sliding lock plate in order to minimize a height of the wrist device.

11. (Original) A prosthetic device as claimed in claim 10, further comprising:

- a lower mounting plate coupled to the base plate;
- a cover plate coupled to the base plate;
- a wrist quick disconnect unit coupled to the lower mounting plate;
- an upper mounting plate coupled to the semi-cylindrical rotator; and
- a mechanical hand coupled to the upper mounting plate.

12. (Previously Amended) A prosthetic device as claimed in claim 11, further comprising:

- a coax connector coupled to the wrist quick disconnect unit; and
- a bundle of wires coupled to the coax connector and routed through the wrist disconnect unit, the lower mounting plate, the base plate, the sliding lock plate, the semi-cylindrical rotator, the cover plate, and the upper mounting plate, and coupled to the mechanical hand.

13. (Original) A prosthetic joint, comprising:

- a base plate configured for attachment to a prosthetic arm;
- a locking rotator structure, wherein the locking rotator structure is rotatably attached to the base plate and includes a sliding lock plate and a semi-cylindrical rotator;
- a prosthetic hand coupled to the semi-cylindrical rotator of the locking rotator structure; and
- a torsional spring coupled to the base plate and to the prosthetic hand in a manner that enables the locking rotator structure to exhibit compliance in a flexion direction and an extension direction.

14-15 (Canceled)

16. (Original) A prosthetic device configured for attachment to an amputee's arm, comprising:

- a prosthetic hand;

- a locking wrist rotator structure, wherein the locking wrist rotator structure includes a sliding lock mechanism and a semi-cylindrical rotator with locking slots configured for engagement with the sliding lock mechanism;

- a torsional spring coupled to the locking wrist rotator structure and to the prosthetic hand in a manner that allows the prosthetic hand to exhibit compliance in a flexion direction and an extension direction.

17-18 (Canceled)